

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/579,802  
Source: IFWP  
Date Processed by STIC: 5/26/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 05/26/2006

PATENT APPLICATION: US/10/579,802

TIME: 08:05:58

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\05262006\J579802.raw

3 <110> APPLICANT: Keio University  
 5 <120> TITLE OF INVENTION: PROTEIN FORMING COMPLEX WITH c-Jun PROTEIN, NUCLEIC ACID  
 ENCODING THE  
 6 SAME AND METHOD OF USING THE SAME  
 8 <130> FILE REFERENCE: P595-C4285  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/579,802  
 C--> 10 <141> CURRENT FILING DATE: 2006-05-18  
 10 <150> PRIOR APPLICATION NUMBER: JP 2003-389676  
 11 <151> PRIOR FILING DATE: 2003-11-19  
 13 <160> NUMBER OF SEQ ID NOS: 299  
 15 <210> SEQ ID NO: 1  
 16 <211> LENGTH: 102  
 17 <212> TYPE: PRT  
 18 <213> ORGANISM: Mus musculus  
 20 <400> SEQUENCE: 1  
 21 Met Leu Ser Arg Leu Gln Glu Leu Arg Lys Glu Glu Glu Thr Leu Leu  
 22 1 5 10 15  
 23 Arg Leu Lys Ala Ala Leu His Asp Gln Leu Asn Arg Leu Lys Val Glu  
 24 20 25 30  
 25 Glu Leu Ala Leu Gln Ser Met Ile Asn Ser Arg Gly Arg Thr Glu Thr  
 26 35 40 45  
 27 Leu Ser Ser Gln Pro Ala Pro Glu Gln Leu Cys Asp Met Ser Leu His  
 28 50 55 60  
 29 Val Asp Asn Glu Val Thr Ile Asn Gln Thr Thr Leu Lys Leu Ser Thr  
 30 65 70 75 80  
 31 Arg Ser Pro Met Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu  
 32 85 90 95  
 33 Glu Glu Glu Ser Asp Ser  
 34 100  
 36 <210> SEQ ID NO: 2  
 37 <211> LENGTH: 86  
 38 <212> TYPE: PRT  
 39 <213> ORGANISM: Mus musculus  
 41 <400> SEQUENCE: 2  
 42 Val Glu Gly Ser Ala Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu  
 43 1 5 10 15  
 44 Gln Glu Leu Arg Lys Glu Glu Glu Thr Leu Leu Arg Leu Lys Ala Ala  
 45 20 25 30  
 46 Leu His Asp Gln Leu Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln  
 47 35 40 45  
 48 Ser Val Ile Asn Ser Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro  
 49 50 55 60  
 50 Ala Pro Glu Gln Leu Cys Asp Met Ser Leu His Val Asp His Glu Val  
 51 65 70 75 80

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```

52 Thr Ile Asn Gln Thr Thr
53                               85
55 <210> SEQ ID NO: 3
56 <211> LENGTH: 84
57 <212> TYPE: PRT
58 <213> ORGANISM: Mus musculus
60 <400> SEQUENCE: 3
61 Ser Ala Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu
62 1                               5                               10                               15
63 Arg Lys Glu Glu Glu Thr Gln Leu Arg Leu Lys Ala Ala Leu His Asp
64                               20                               25                               30
65 Gln Leu Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile
66                               35                               40                               45
67 Asn Ser Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu
68                               50                               55                               60
69 Gln Leu Cys Asp Met Ser Leu His Val Asp His Glu Val Thr Ile Asn
70 65                               70                               75                               80
71 Gln Thr Thr Leu
74 <210> SEQ ID NO: 4
75 <211> LENGTH: 83
76 <212> TYPE: PRT
77 <213> ORGANISM: Mus musculus
79 <400> SEQUENCE: 4
80 Ser Ala Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu
81 1                               5                               10                               15
82 Arg Lys Glu Glu Glu Thr Gln Leu Arg Leu Lys Ala Ala Leu His Asp
83                               20                               25                               30
84 Gln Leu Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile
85                               35                               40                               45
86 Asn Ser Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu
87                               50                               55                               60
88 Gln Leu Cys Asp Met Ser Leu His Val Asp Asn Glu Val Thr Ile Asn
89 65                               70                               75                               80
90 Gln Lys Leu
93 <210> SEQ ID NO: 5
94 <211> LENGTH: 83
95 <212> TYPE: PRT
96 <213> ORGANISM: Mus musculus
98 <400> SEQUENCE: 5
99 Ser Ala Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu
100 1                               5                               10                               15
101 Arg Lys Glu Glu Glu Thr Gln Leu His Leu Lys Ala Ala Leu His Asp
102                               20                               25                               30
103 Gln Leu Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile
104                               35                               40                               45
105 Asn Ser Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu
106                               50                               55                               60
107 Gln Leu Cys Asp Met Ser Leu His Val Asp Asn Glu Val Thr Ile Asn
108 65                               70                               75                               80

```

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```

109 Gln Lys Leu
112 <210> SEQ ID NO: 6
113 <211> LENGTH: 83
114 <212> TYPE: PRT
115 <213> ORGANISM: Mus musculus
117 <400> SEQUENCE: 6
118 Ser Ala Leu Arg Lys Trp Lys Gly Val Leu Ser Arg Leu Gln Glu Leu
119 1          5          10          15
120 Arg Lys Glu Glu Glu Thr Leu Leu Arg Leu Lys Ala Ala Leu His Asp
121          20          25          30
122 Gln Leu Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile
123          35          40          45
124 Asn Ser Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu
125          50          55          60
126 Gln Leu Cys Asp Met Ser Leu His Val Asp His Glu Val Thr Ile Asn
127 65          70          75          80
128 Gln Ser Lys
131 <210> SEQ ID NO: 7
132 <211> LENGTH: 65
133 <212> TYPE: PRT
134 <213> ORGANISM: Mus musculus
136 <400> SEQUENCE: 7
137 Ser Ala Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu
138 1          5          10          15
139 Arg Lys Glu Glu Glu Thr Gln Leu Arg Leu Lys Ala Ala Leu His Asp
140          20          25          30
141 Gln Leu Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile
142          35          40          45
143 Asn Ser Arg Arg Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu
144          50          55          60
145 Ser
146 65
148 <210> SEQ ID NO: 8
149 <211> LENGTH: 75
150 <212> TYPE: PRT
151 <213> ORGANISM: Mus musculus
153 <400> SEQUENCE: 8
154 Ala Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu Arg
155 1          5          10          15
156 Lys Glu Glu Glu Thr Leu Leu Arg Leu Lys Ala Ala Leu His Asp Gln
157          20          25          30
158 Leu Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile Asn
159          35          40          45
160 Ser Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu Gln
161          50          55          60
162 Leu Cys Asp Met Ser Leu His Val Asp Asn Glu
163 65          70          75
165 <210> SEQ ID NO: 9
166 <211> LENGTH: 95

```

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Input Set : A:\PTO.RJ.txt

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```

167 <212> TYPE: PRT
168 <213> ORGANISM: Mus musculus
170 <400> SEQUENCE: 9
171 Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu Arg Lys
172 1 5 10 15
173 Glu Glu Glu Thr Leu Leu Arg Gln Lys Ala Ala Leu His Asp Gln Leu
174 20 25 30
175 Asn Arg Leu Lys Val Glu Glu Leu Pro Leu Gln Ser Met Ile Asn Ser
176 35 40 45
177 Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu Gln Leu
178 50 55 60
179 Cys Asp Met Ser Leu His Val Asp Asn Glu Val Thr Ile Asn Gln Thr
180 65 70 75 80
181 Thr Leu Lys Leu Ser Thr Arg Ser Pro Met Glu Glu Lys Glu Glu
182 85 90 95
184 <210> SEQ ID NO: 10
185 <211> LENGTH: 82
186 <212> TYPE: PRT
187 <213> ORGANISM: Mus musculus
189 <400> SEQUENCE: 10
190 Pro Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu Arg Lys
191 1 5 10 15
192 Glu Glu Glu Thr Leu Leu Arg Leu Lys Ala Ala Leu His Asp Gln Leu
193 20 25 30
194 Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile Asn Ser
195 35 40 45
196 Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu Gln Leu
197 50 55 60
198 Cys Asp Met Ser Leu His Val Asp Asn Glu Val Thr Ile Asn Gln Thr
199 65 70 75 80
200 Thr Arg
203 <210> SEQ ID NO: 11
204 <211> LENGTH: 82
205 <212> TYPE: PRT
206 <213> ORGANISM: Mus musculus
208 <400> SEQUENCE: 11
209 Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu Arg Lys
210 1 5 10 15
211 Glu Glu Glu Thr Leu Leu Arg Leu Lys Ala Ala Leu His Asp Gln Leu
212 20 25 30
213 Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile Asn Ser
214 35 40 45
215 Arg Gly Arg Thr Glu Thr Leu Ser Phe Gln Pro Ala Pro Glu Gln Leu
216 50 55 60
217 Cys Asp Met Ser Leu His Val Asp Asn Glu Val Thr Ile Asn Gln Thr
218 65 70 75 80
219 Thr Arg
222 <210> SEQ ID NO: 12
223 <211> LENGTH: 61

```

## RAW SEQUENCE LISTING

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```

224 <212> TYPE: PRT
225 <213> ORGANISM: Mus musculus
227 <400> SEQUENCE: 12
228 Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu Arg Lys
229 1 5 10 15
230 Glu Glu Glu Thr Leu Leu Arg Leu Lys Ala Ala Leu His Asp Gln Leu
231 20 25 30
232 Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile Asn Ser
233 35 40 45
234 Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Arg
235 50 55 60
237 <210> SEQ ID NO: 13
238 <211> LENGTH: 53
239 <212> TYPE: PRT
240 <213> ORGANISM: Mus musculus
242 <400> SEQUENCE: 13
243 Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Arg Glu Leu Arg Lys
244 1 5 10 15
245 Glu Glu Glu Thr Leu Leu Arg Leu Lys Ala Ala Leu His Asp Gln Leu
246 20 25 30
247 Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile Asn Ser
248 35 40 45
249 Arg Gly Arg Thr Glu
250 50
252 <210> SEQ ID NO: 14
253 <211> LENGTH: 51
254 <212> TYPE: PRT
255 <213> ORGANISM: Mus musculus
257 <400> SEQUENCE: 14
258 Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Gly Leu Arg Lys
259 1 5 10 15
260 Glu Glu Glu Thr Leu Leu Arg Leu Lys Ala Ala Leu His Asp Gln Leu
261 20 25 30
262 Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile Asn Ser
263 35 40 45
264 Arg Gly Lys
265 50
267 <210> SEQ ID NO: 15
268 <211> LENGTH: 86
269 <212> TYPE: PRT
270 <213> ORGANISM: Mus musculus
272 <400> SEQUENCE: 15
273 Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu Arg Lys
274 1 5 10 15
275 Glu Glu Glu Thr Leu Leu Arg Leu Lys Ala Ala Leu His Asp Gln Leu
276 20 25 30
277 Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile Asn Ser
278 35 40 45
279 Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu Gln Leu

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/579,802

DATE: 05/26/2006  
TIME: 08:05:59

Input Set : A:\PTO.RJ.txt  
Output Set: N:\CRF4\05262006\J579802.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:98; Xaa Pos. 57

Seq#:228; N Pos. 172

Seq#:264; N Pos. 24,25,26,27,28,29,30,31,32

## VERIFICATION SUMMARY

DATE: 05/26/2006

PATENT APPLICATION: US/10/579,802

TIME: 08:05:59

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\05262006\J579802.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:1918 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:98  
L:1918 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:48  
L:4439 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:228  
L:4439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:228 after pos.:120  
L:5254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:264 after pos.:0